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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/082,149	02/26/2002	Michael E. Farrell	D/A0550	3421
7590	12/22/2004			
OLIFF & Berridge .plc P.O box 19928 ALEXANDRIA, VA 22320			EXAMINER LE, TOAN M	
			ART UNIT 2863	PAPER NUMBER

DATE MAILED: 12/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/082,149

Applicant(s)

FARRELL ET AL.

Examiner

Toan M Le

Art Unit

2863

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10/22/04.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 January 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 6/26/03. 6) ☐ Other:

DETAILED ACTION

Claim Objections

Claim 1 is objected to because of the following informalities:

Claim 1, line 6, "identity," should read -identity-.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-15 are rejected under 35 U.S.C. 102(b) as being anticipated by "Creating Electronic Documents That Interact With Diagnostic Software for On-Site Service", Harmison (referred hereafter Harmison).

Referring to claim 1, Harmison discloses in a multi-modular device capable of interchangeably receiving one or more modules having an event log indicative of operational events and an associated time stamp thereof, a method of providing an integrated log for a selected configuration (Abstract) comprising:

generating a configuration log for the modular device that includes entries indicating an identity of a module and at least one of introduction or removal of modules relative to the device (page 93, 2nd col., 3rd paragraph; page 94, 2nd col., 2nd paragraph; page 97, examples 1-3);

merging the event and configuration logs to create an integrated log (page 97, examples 1-3);

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delineating entries in the integrated log according to a selected configuration; and presenting the delineated entries to uniquely identify the entries corresponding to the selected configuration (page 98, 2nd col., 2nd & 3rd & 4th paragraphs, 3rd col., 1st & 2nd & 3rd paragraphs).

As to claim 2, Harmison discloses in a multi-modular device capable of interchangeably receiving one or more modules having an event log indicative of operational events and an associated time stamp thereof, wherein presenting the delineated entries further comprises providing the delineated entries in a readable format utilizing a log viewing application (page 98, 3rd col., 2nd & 3rd paragraph).

Referring to claim 3, Harmison discloses in a multi-modular device capable of interchangeably receiving one or more modules having an event log indicative of operational events and an associated time stamp thereof, wherein the presenting further comprises demarcating selected delineated entries in the integrated log according to the selected configuration (page 98, 2nd col., 2nd & 3rd & 4th paragraphs, 3rd col., 1st & 2nd & 3rd paragraphs).

As to claim 4, Harmison discloses in a multi-modular device capable of interchangeably receiving one or more modules having an event log indicative of operational events and an associated time stamp thereof, further comprising transmitting the integrated log to a remote server to assist in remote diagnosis (page 99, 2nd col., 2nd & 3rd paragraphs).

Referring to claim 5, Harmison discloses in an electrophotographic imaging system that includes swappable modules, a method of providing an integrated event log (Abstract) comprising:

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providing and maintaining a configuration log indicative of respective configuration changes in the imaging system (page 93, 2nd col., 3rd paragraph; page 94, 2nd col., 2nd paragraph; page 97, examples 1-3; page 98, 3rd col., last paragraph; page 99, 1st col., 1st paragraph);

providing respective error logs and a log of at least one of introduction or removal of the swappable modules that record operational events and a time of occurrence of the operational events (page 93, 2nd col., 3rd paragraph; page 94, 2nd col., 2nd paragraph; page 97, examples 1-3; page 98, 3rd col., last paragraph; page 99, 1st col., 1st paragraph); and

generating the integrated log in a way that demarcates operational events according to a selected configuration based on contents of the configuration log and error log (page 98, 2nd col., 2nd & 3rd & 4th paragraphs, 3rd col., 1st & 2nd & 3rd paragraphs).

As to claim 6, Harmison discloses in an electrophotographic imaging system that includes swappable modules, a method of providing an integrated event log further comprising providing remote display of the integrated log (page 99, 3rd col., 2nd & 3rd paragraphs).

Referring to claim 7, Harmison discloses in an electrophotographic imaging system that includes swappable modules, a method of providing an integrated event log further comprising storing a representation of the configuration and error logs in a server remote from the imaging system and accessing a server to provide the integrated log (page 99, 2nd col., 2nd & 3rd paragraphs).

Referring to claim 8, Harmison discloses in a modular device having an interchangeable module that includes associated event logs indicative of operational events relative to the modules, a method of providing an integrated log of events according to a selected configuration (Abstract) comprising:

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providing a configuration log indicative of changing configurations of the modular device (page 93, 2nd col., 3rd paragraph; page 94, 2nd col., 2nd paragraph; page 97, examples 1-3);

merging the event and configuration logs to produce a combined log (page 97, examples 1-3);

segmenting entries in the combined log according to configuration information; and
presenting information of operational events according to a selected one of multiple configurations (page 98, 2nd col., 2nd & 3rd & 4th paragraphs, 3rd col., 1st & 2nd & 3rd paragraphs).

As to claim 9, Harmison discloses in a modular device having an interchangeable module that includes associated event logs indicative of operational events relative to the modules, a method of providing an integrated log of events according to a selected configuration wherein the configuration log includes entries indicative of an addition, removal, or repositioning of the modules, the configuration log being stored in a central controller of the device, and wherein compiling the configuration log includes storing a unique code upon each occurrence of the addition, removal, or repositioning of the modules within the device (page 94, 2nd col., last paragraph; page 97, Examples 1-3; page 99, Client/Server and Server/Client Integration sections).

Referring to claim 10, Harmison discloses in a modular device having an interchangeable module that includes associated event logs indicative of operational events relative to the modules, a method of providing an integrated log of events according to a selected configuration including wherein storing the unique code includes time and date stamping of each of the unique code (page 98, 3rd col., last paragraph).

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As to claim 11, Harmison discloses in a modular device having an interchangeable module that includes associated event logs indicative of operational events relative to the modules, a method of providing an integrated log of events according to a selected configuration wherein presenting information of operational events associated with the selected one of multiple configuration includes rendering the integrated log into a readable form (page 98, 2nd col., 3rd & last paragraphs; 3rd col., 1st & 2nd & 3rd paragraphs).

Referring to claim 12, Harmison discloses a reconfiguration modular device capable of interchangeably receiving one or more modules, the modular device (Abstract) comprising:

a controller that conveys data and control signals with the modules, the modules including a logging service that stores a first set of entries corresponding to service related events (page 93, 2nd col., 3rd paragraph; page 94, 2nd col., 2nd paragraph; page 97, examples 1-3);

the controller including a routine that effects monitoring at least one addition, deletion, and repositioning of the modules and generating a second set of entries in response to at least one of an addition, deletion, or repositioning of the modules (page 93, 2nd col., 3rd paragraph; page 94, 2nd col., 2nd paragraph; page 97, examples 1-3); and

a log viewer that accesses the first and second sets of entries to output an integrated log displaying selected operational events according to a given configuration of the device (page 98, 2nd col., 3rd & last paragraphs; 3rd col., 1st & 2nd & 3rd paragraphs).

As to claim 13, Harmison discloses a reconfiguration modular device capable of interchangeably receiving one or more modules wherein the modular device is an electrophotographic imaging machine (page 98, 1st col., 1st paragraph, 2nd col., 2nd & 3rd paragraphs).

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Referring to claim 14, Harmison discloses a reconfiguration modular device capable of interchangeably receiving one or more modules wherein the imaging machine includes a plurality of modules, each of which includes a service event monitor that monitors and transmits service related event codes to the logging service (page 99, Client/Server and Server/Client Integration sections).

As to claim 15, Harmison discloses a reconfiguration modular device capable of interchangeably receiving one or more modules further comprising an I/O interface that enables conveyance of the first and the second sets of entries to a server remote from the imaging machine to facilitate remote diagnosis (page 95-96, User Interface section).

Remarks:

Response to Arguments

Applicant's arguments with respect to claims 1-15 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Toan M Le whose telephone number is (703) 305-4016. The examiner can normally be reached on Monday through Friday from 9:00 A.M. to 5:30 P.M..

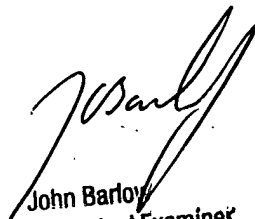
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Barlow can be reached on (703) 308-3126. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from

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either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Toan Le

December 17, 2004


John Barlow
Supervisory Patent Examiner
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